

Appl. No. 10/597,514  
Amtd. Dated May 6, 2010  
Reply to Office Action of January 6, 2010

Attorney Docket No. 81872.0124  
Customer No. 26021

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

**Listing of Claims:**

1.-17. (Canceled).

18. (Currently amended) A mold, comprising:

a bottom surface member; and

a plurality of lateral surface members combining with the bottom surface member,

and each lateral surface member comprising a first engaging structure on a first lateral end thereof and a second engaging structure on a second lateral end thereof, one of the first and second engaging structures of one of the plurality of lateral surface members engages with one of the first and second engaging structures of another one of the plurality of lateral surface members,

wherein the first and second engaging structures each comprises a projection and a recess, and a shape of the first engaging structure and a shape of the second engaging structure are in an asymmetrical relationship with reference to a center line of the lateral surface member in a plan view thereof,

wherein the center line is between the first and second engaging structures and parallel with the first and second lateral ends.

19. (Canceled).

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20. (Previously Presented) The mold according to claim 18, wherein the number of the plurality of lateral surface members combining with the bottom surface member is four.

21. (Previously Presented) The mold according to claim 18, wherein each of the engaging structures comprises one or more engaging surfaces that are substantially level with a bottom surface of the bottom surface member, and a distance between an upper side of the lateral surface member and the engaging surface closest to the upper side is in a range of not less than 1 cm nor more than 8 cm.

22. (Canceled).

23. (Previously Presented) The mold according to claim 18, wherein the shapes of the engaging structures are in a point-symmetrical relationship with each other and with respect to a center point of the lateral surface member.

24. (Previously Presented) The mold according to claim 18, wherein the bottom surface member has a closed groove on an upper surface thereof configured for dividing the upper surface into a bottom surface center and a bottom surface outer periphery,

a plurality of bottom sides of the plurality of lateral surface members are put into the closed groove so as to surround the bottom surface center with the plurality of lateral surface members, and

a plurality of wedge members are respectively arranged in clearances between outer peripheral surfaces of the plurality of lateral surface members

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engaged with the closed groove of the bottom surface member and the bottom surface outer periphery.

25. (Previously Presented) The mold according to claim 18,  
wherein the plurality of lateral surface members combined with a side surface of the bottom surface member and are upright so as to surround the bottom surface member, and

further comprising:

a mold holder configured for placing the bottom surface member and the plurality of lateral surface members that are combined;

a wedge receiver arranged on an upper surface of the mold holder; and

a plurality of wedge members respectively arranged in clearances between the wedged receiver and outer peripheral surfaces of the plurality of lateral surface members.

26. (Original) The mold according to claim 25, wherein the wedge receiver is removable from the upper surface of the mold holder.

27. (Previously Presented) The mold according to claim 25, wherein there exists a plurality of wedge receivers, and  
a space between one of the plurality of wedge receivers and another one of the plurality of wedge receivers is adjustable, the another one wedge receiver is arranged at a position opposed to the one of the wedge receivers with the bottom surface member and the plurality of lateral surface members that are combined therebetween.

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28. (Previously Presented) The mold according to claim 18, further comprising a frame-shaped member which surrounds an outer periphery of the plurality of lateral surface members integrated by engaging with each other and is configured for constraining displacement of the plurality of lateral surface members.

29. (Previously Presented) The mold according to claim 18, further comprising:

a frame-shaped member surrounding an outer periphery of the plurality of lateral surface members integrated by engaging with each other, with play between the frame-shaped member and the plurality of lateral surface members; and

a plurality of pressing jigs respectively arranged in clearances between the frame-shaped member and outer corners formed by the lateral surface members adjacent to each other, and configured for constraining displacement of the plurality of lateral surface members.

30. (Previously Presented) The mold according to claim 29, wherein one of the plurality of pressing jigs has two jig surfaces respectively contacting with outer peripheral surfaces of two of the plurality of lateral surface members, the outer peripheral surfaces form the outer corner of the mold.

31. (Previously Presented) The mold according to claim 30, wherein the one of the plurality of pressing jigs has a relief groove located corresponding to the outer corner of the mold so as not to directly contact with each other.

32. (Previously Presented) The mold according to claim 29, wherein the frame-shaped member has a projection in an inner periphery thereof, the projection

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contacts with the lateral surface member facing therewith for constraining displacement of the plurality of lateral surface members.

33. (Previously Presented) The mold according to claim 28, wherein each of the engaging structures comprises one or more engaging surfaces that are substantially level with the bottom surface of the bottom surface member, and the frame-shaped members are respectively arranged at positions of the engaging surfaces.

34. (Previously Presented) The mold according to claim 18, further comprising a mold release material applied to

a mold inner surface comprising a surface of the bottom surface member and surfaces of the plurality of lateral surface members and

locking sections formed by the bottom surface member and the plurality of lateral surface members.

35. (Canceled).

36. (Previously Presented) A polycrystalline silicon substrate producing method, comprising:

a step of producing a silicon ingot by using the mold according to any one of claims 18 to 34; and

a step of obtaining a polycrystalline silicon substrate from the silicon ingot.

37. (Previously Presented) The mold according to claim 18, wherein the projection and the recess are aligned along the lateral end of the lateral surface member.

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38. (Previously Presented) The mold according to claim 18, wherein the projection and the recess of each of the first and second engaging structures are arranged in a lengthwise direction of the lateral surface member.